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ABSTRACT OF THE DISCLOSURE

An apparatus generally comprising a tuner circuit, an analog-to-digital circuit and a converter circuit. The tuner circuit may be configured to generate an intermediate frequency signal having a carrier signal at a first intermediate frequency in response to a first frequency conversion applied to a radio-frequency signal modulated by an analog television signal. The analog-to-digital circuit may be configured to generate a digital intermediate signal having the carrier signal at a second intermediate frequency in response to a digitization of the intermediate frequency signal. The converter circuit may be configured to generate a digital television signal representative of the analog television signal at a baseband frequency in response to a demodulation of the digital intermediate signal.